

Fig. 1B

Parameter	Typical Value
Formatted Capacity	40 GB
Rotational Speed (rpm)	7200
Latency	4.167ms
Number of Discs	4
Number of R/W Heads	4
Sectors per Track (min)	375
Sectors per Track (max)	694
Byte per Sector	512
Number of Tracks per Cylinder	4
Typical Seek Time	10 ms
Head Switch Time	1 ms
Cylinder Switch Time	1 ms
Media Transfer Rate (min)	184 Mb/s
Media Transfer Rate (max)	341 Mb/s
Interface Transfer Rate	66 MB/s
Buffer Size	2 MB

Fig. 4

FIG. 2 is a block diagram of the PlayTec system showing the interconnection of the various components.

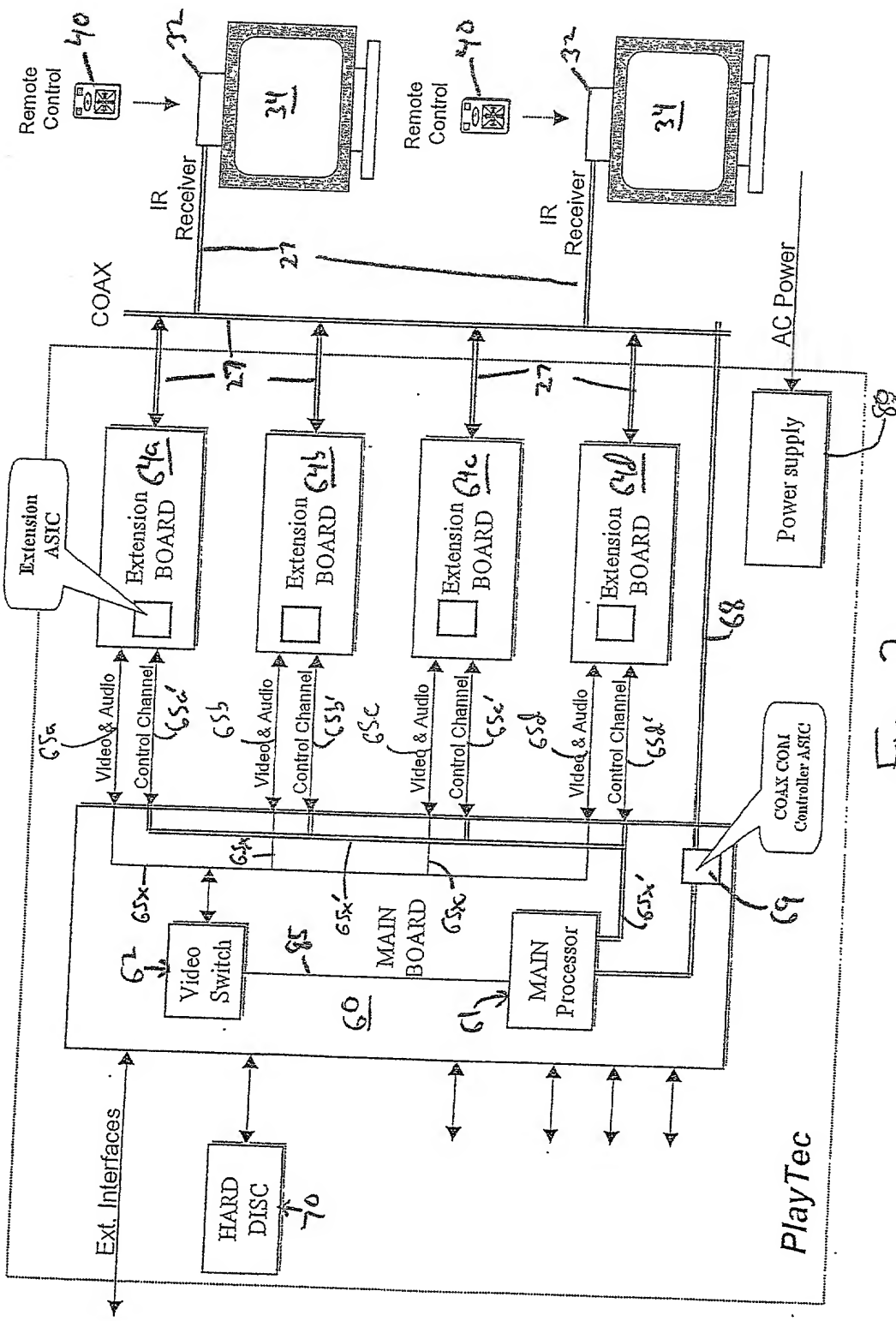


Fig. 2

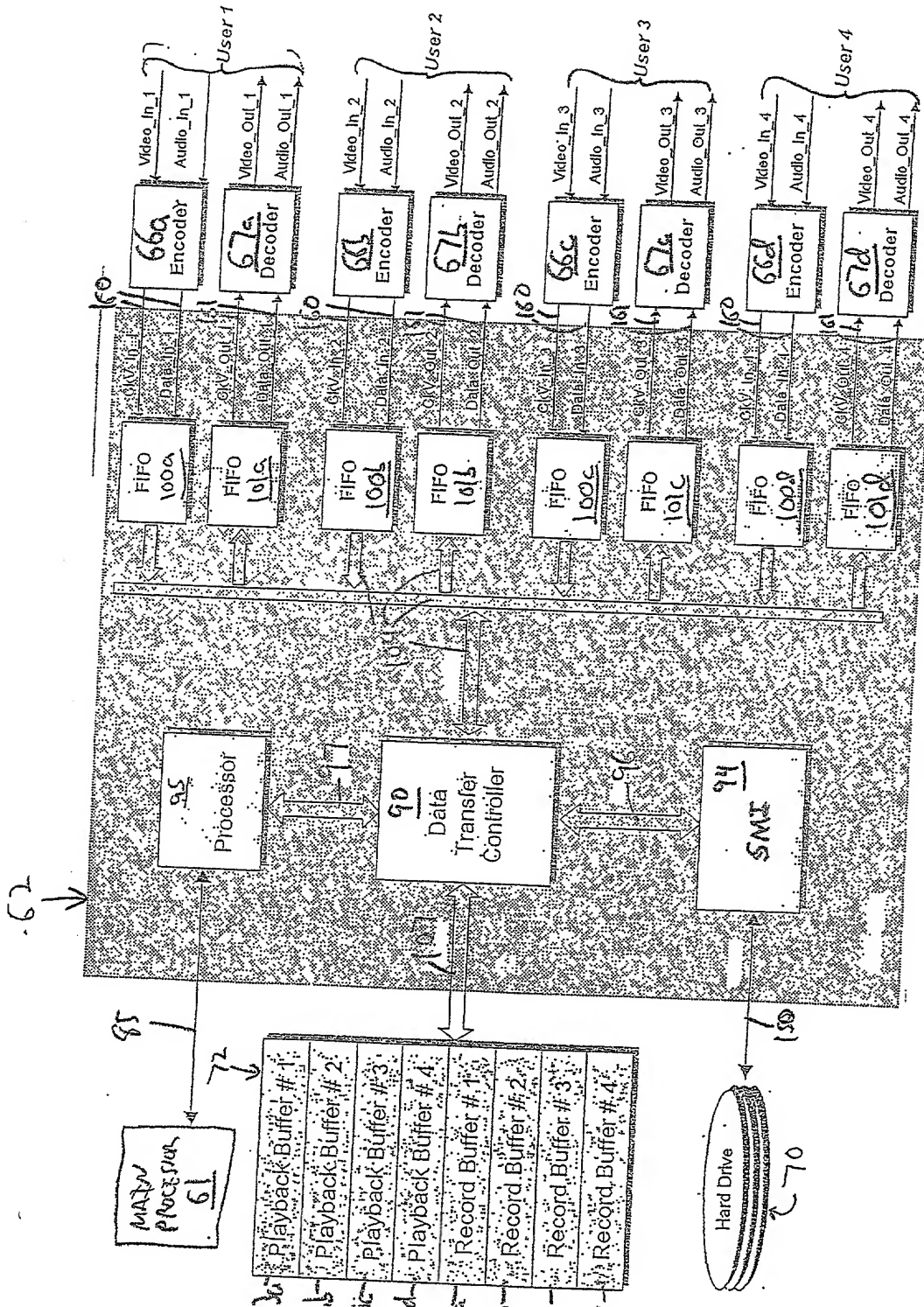


Fig. 3

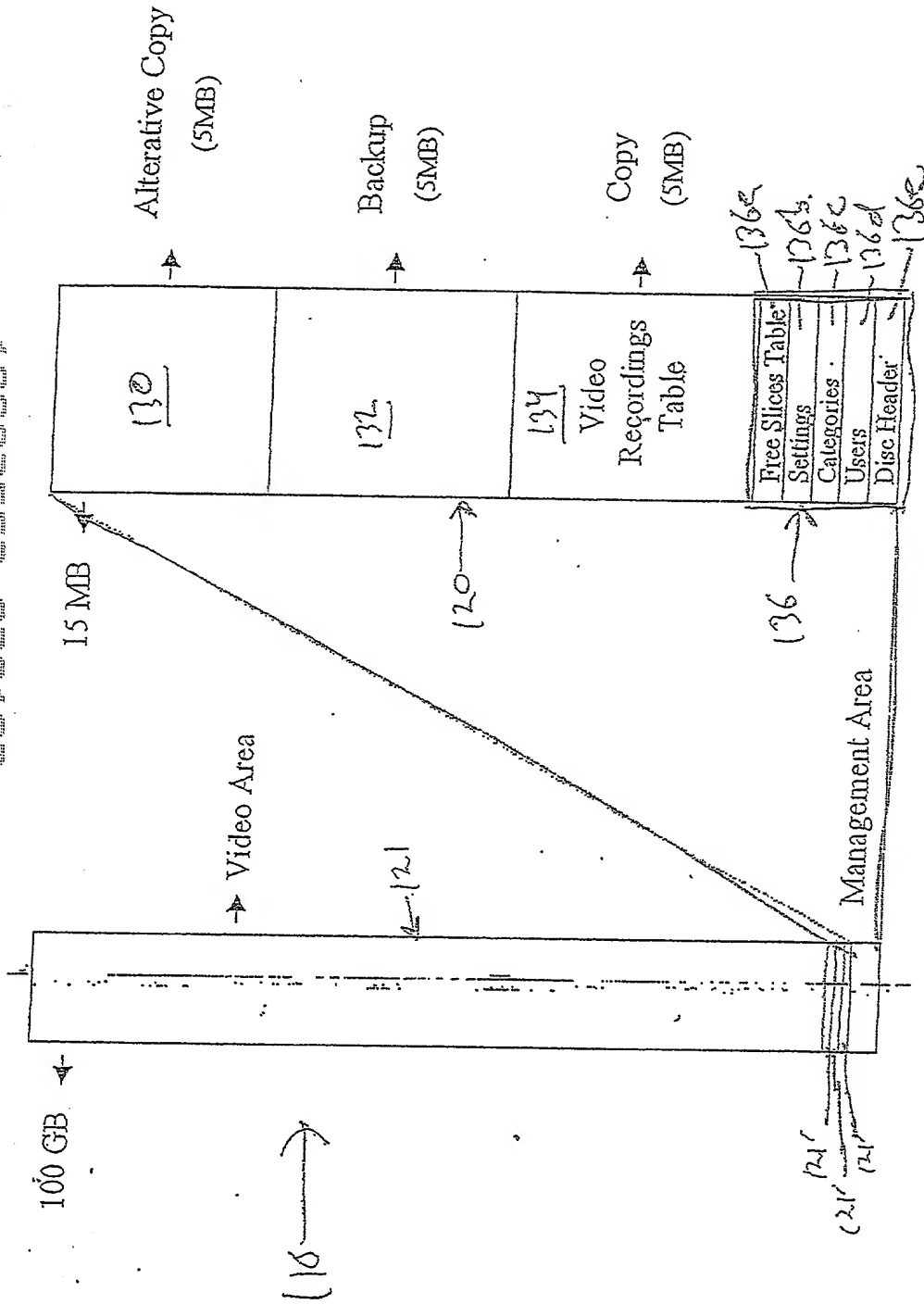


Fig. 5

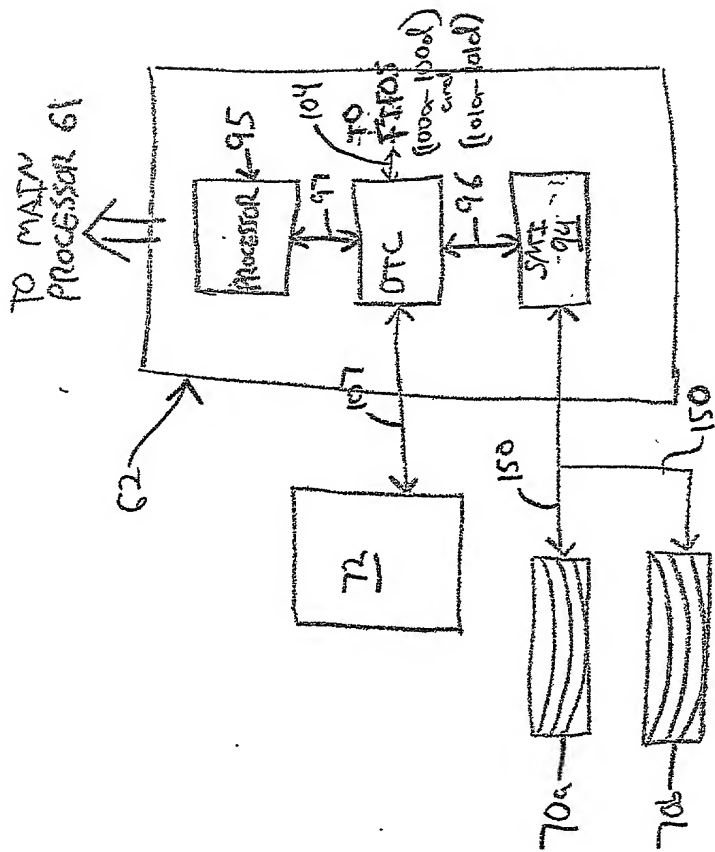
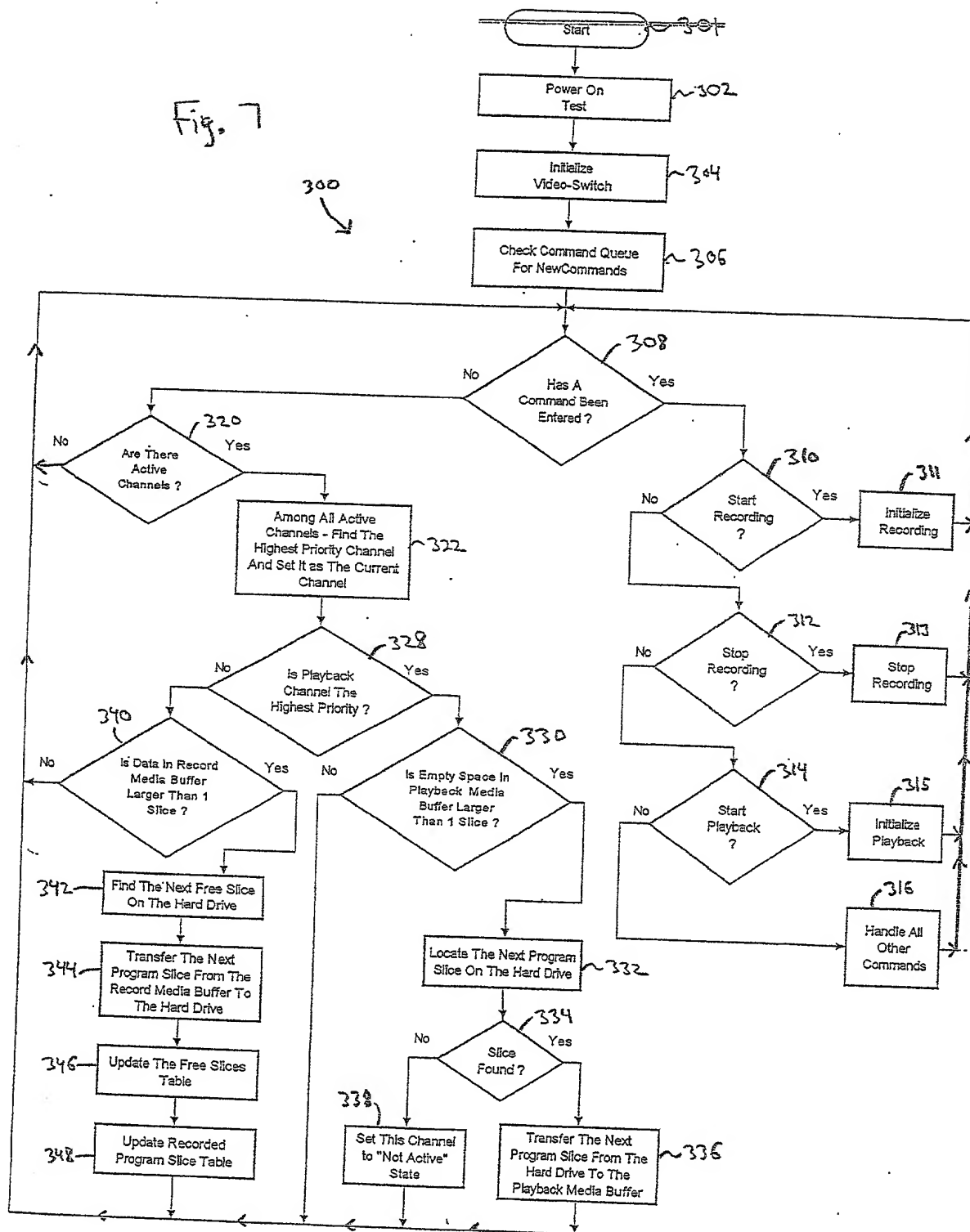


Fig. 6

Fig. 7



## Find The Highest Priority Channel

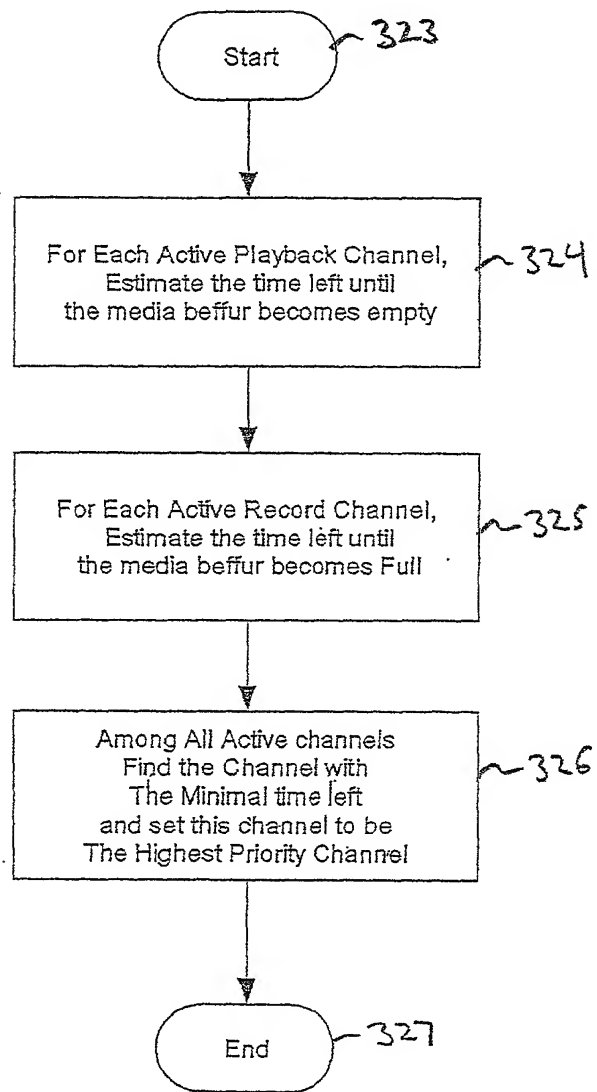


Fig. 8



# Typical Record Timing

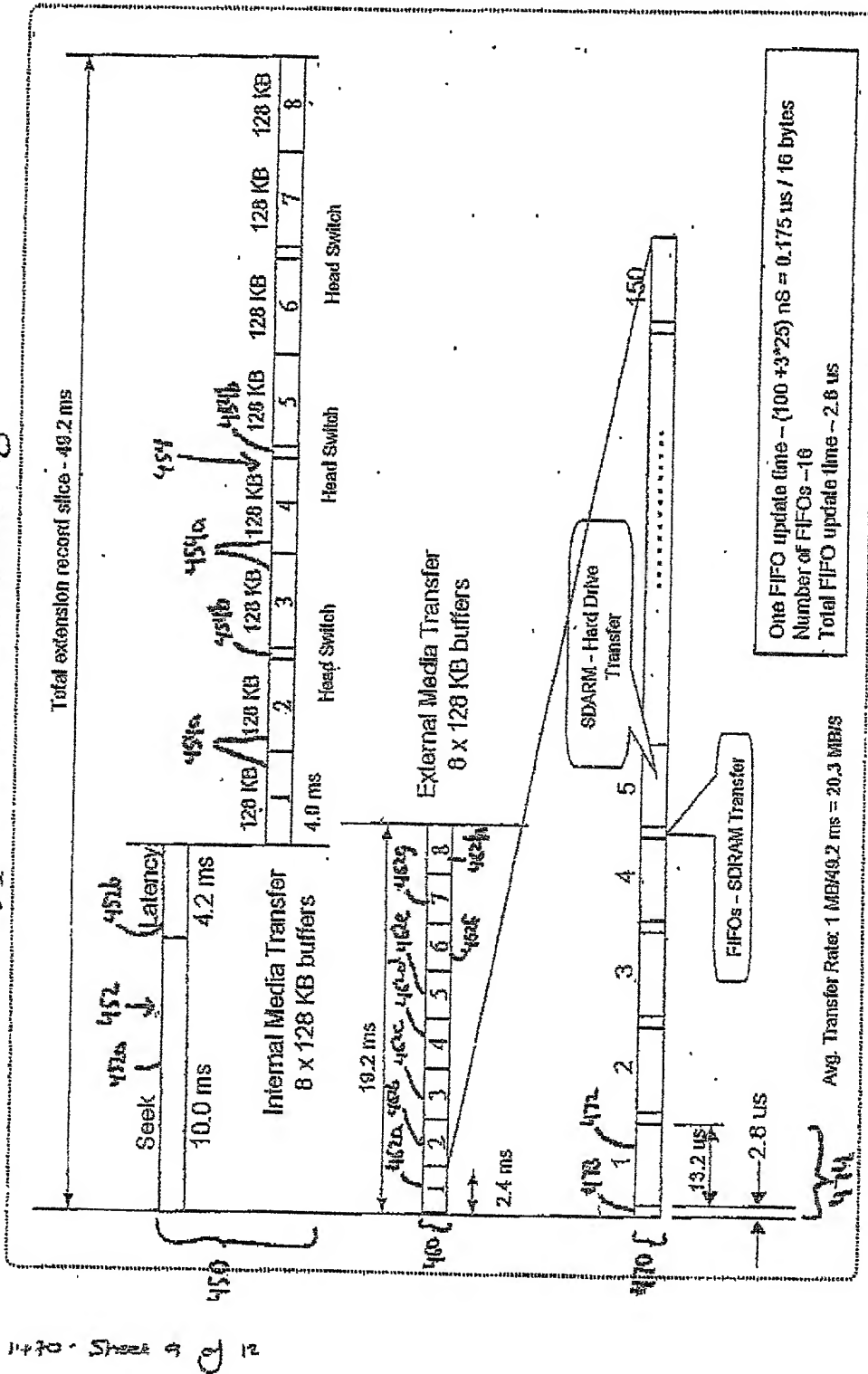


Fig. 9

# Typical Playback Timing

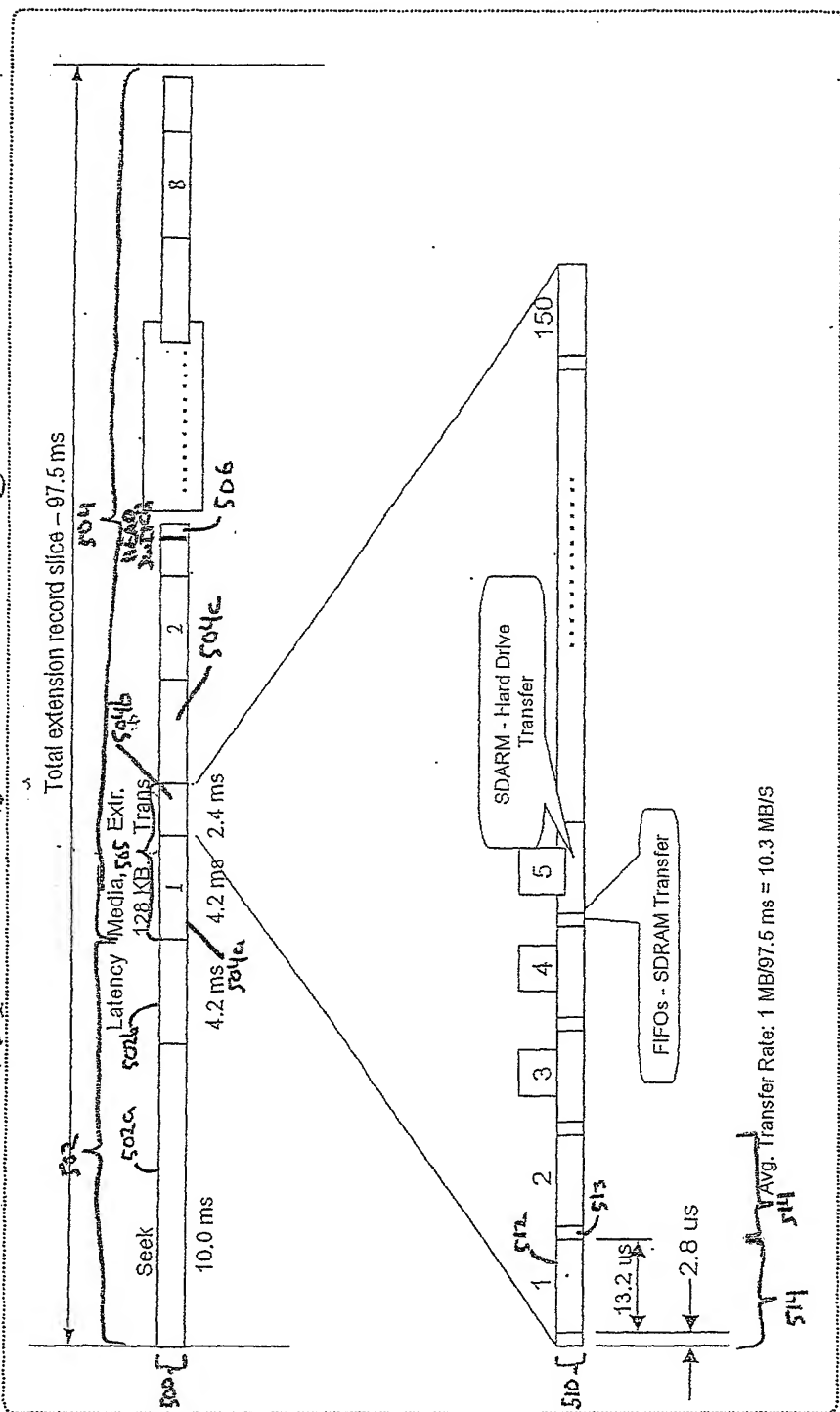
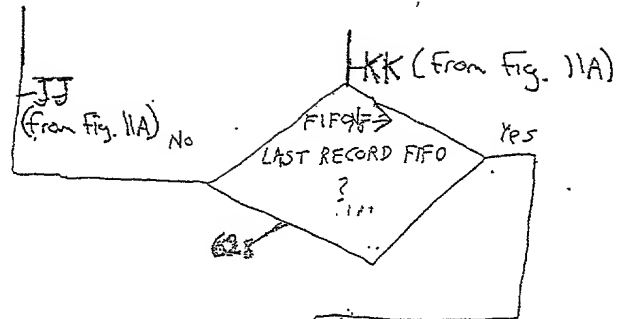
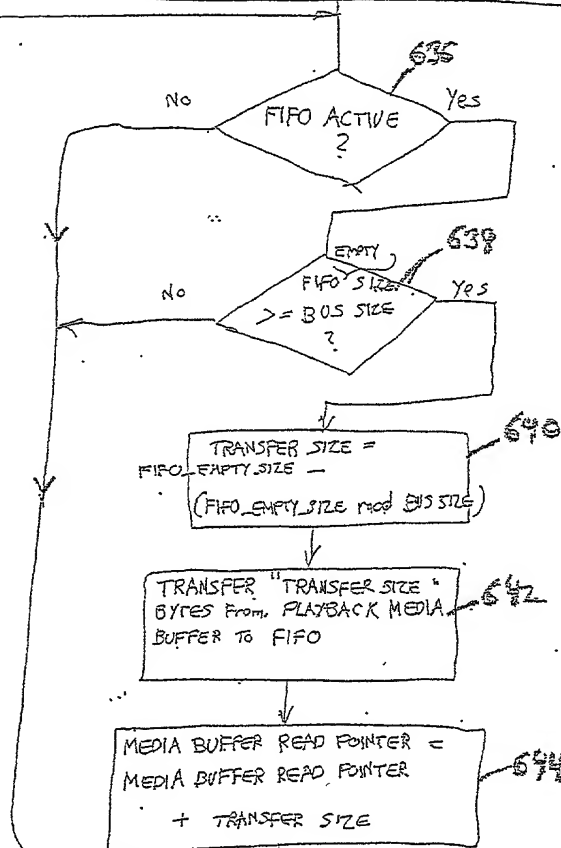


Fig. 10



**FIFO<sub>N</sub> = FIRST PLAYBACK FIFO** 530



**FIFO<sub>N</sub> = FIFO<sub>N</sub> + 1** 646

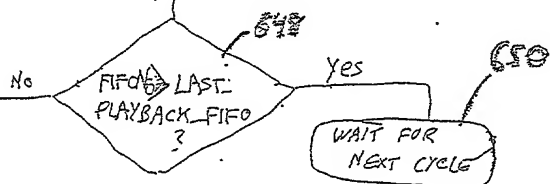


Fig. 11B

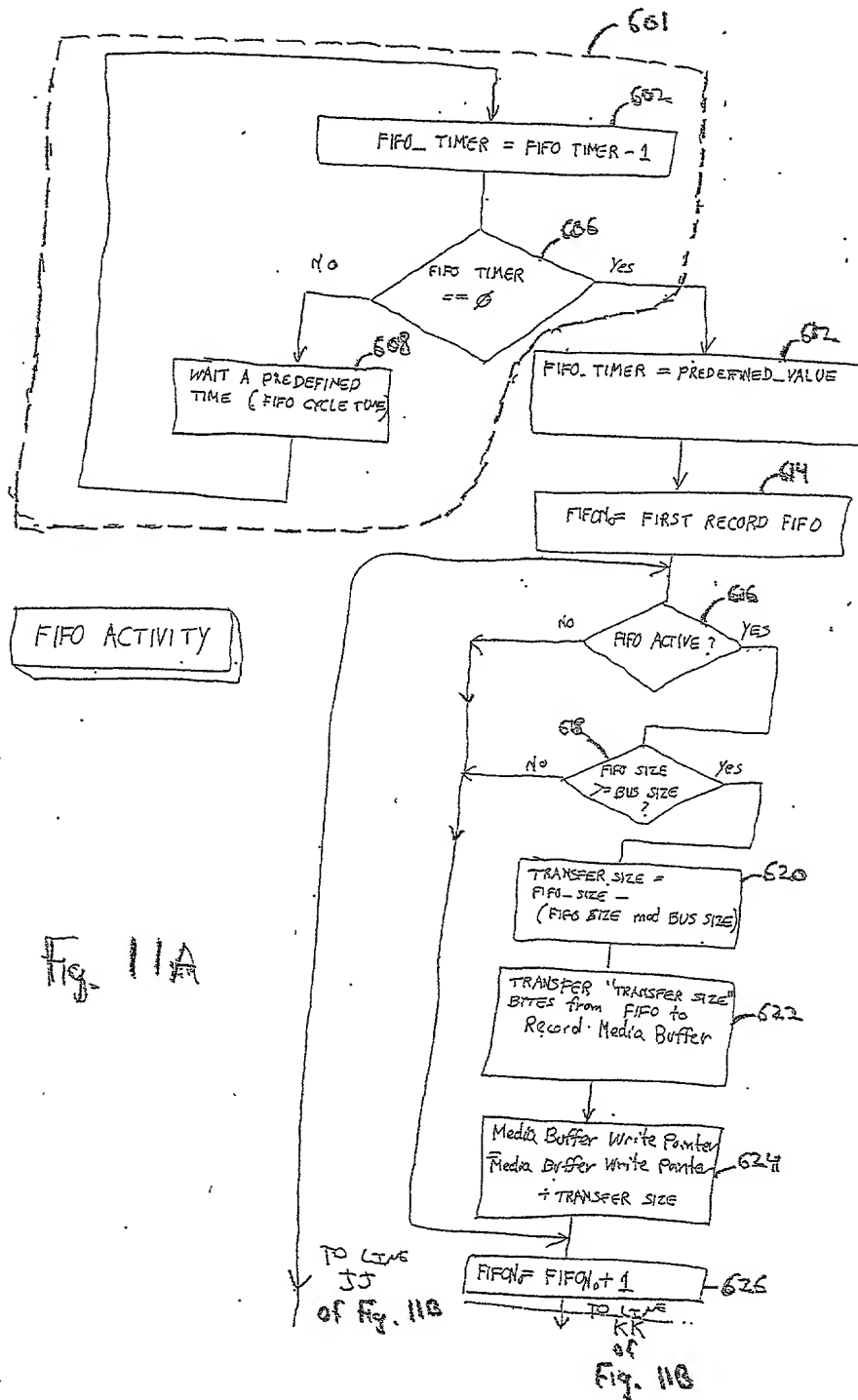


Fig. 11A